

"Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program information and without liability
for any use made thereof."

PROGRESS REPORT 4

E7.3-11046
CR-133944

AUTOMATIC PHOTOINTERPRETATION FOR

LAND USE MANAGEMENT IN MINNESOTA

ERTS

Proposal Number MMC 257

Principal Investigator Number PR 202

Contract Number NAS 5-21742

December 1972

(E73-11046) AUTOMATIC PHOTOINTERPRETATION
FOR LAND USE MANAGEMENT IN MINNESOTA
Progress Report, Dec. 1972 (Honeywell,
Inc.) 2 p HC \$3.00

CSCL 08B

N73-32222

Unclass

G3/13 01046

Prepared by: R. E. Zirkle

Approved by:

G. D. Swanlund
G. D. Swanlund

Honeywell, Inc.
Systems and Research Division
2600 Ridgway Parkway
Minneapolis, Minnesota 55413

Progress Report #4

We have applied K-class to the spectral data for a small area near the iron range and for selected areas in Ramsey County. We are attempting pseudocolor classification of single ground resolution elements in areas where land use parcels are small. This requires detailed ground truth correlation with the ERTS data, a necessary but tedious and time consuming process. Classification accuracy varies from 70 to 90 per cent depending on how we group and assign classes. For example, some schools look like parks or cemeteries while others resemble shopping center parking lots.